BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 4 inBagalgunte Ward no 14

Job Code No:-014-22-000002

Agreement No:EE/Ele/DZ/TEND/AGR/000012/2021-22 Date:31.03.2022

Reference to Supplementatry Agreement No: EE/Ele/DZ/TEND/SAG/24/22-23 Date:24.03.2023

Ref no and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000004/2022-23 Date:04-04-2022

Reference to Supplementatry Work order No:- EE/Ele/DZ/TEND/SWO/30/22--23 Date:24.03.2023

Estimate Amount:Rs.4300000.00

EE/(Elec)/DZ/TEND/AS/13/2021-22 Date:21-03-2022

EE/(Elec)/DZ/TEND/TS/126/2021-22 Date:05-01-2022

Name of Contractror of nature of Agency:- M/s. Chowdeshwari Electricals

Measurement Book No: 6897/22-23 Page No: Date: 689610 - 689612 24.07.2023.

Bill NO :- II RA Bill Bill Period :- 01.06.2023 to 30.06.2023

Sl. No.	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	0	685.00	57.08	0.00
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	104	756	63.00	6552
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	2642	1010	84.16	222350.72

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Dasarahalli Zone, Bangalore

EE (Ele)
DZ

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	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps. Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	128	1118	93.16	11924.48	
	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	168	880	73.33	12319.44	
	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	265	1147	95.58	25328.70	
	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	121	1377	114.75	13884.75	

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	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575	131.25	0	
	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Nos	1	0	1871	155.91	0	
	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx450mmx214mm	Each	1	10	5127	5120.00	51200	

SL NO	POLE NO	ADDRESS
1	CE/14/TC75/BN/00/07/13/S	BHUVANESHWARI NAGAR 5TH CROSS
2	CE/14/TC75/BN/06/07/16/S	BHUVANESHWARI NAGAR 10TH CROSS
3	CE/14/TC/SL/01/07/03/S	MEENAKSHI L/O 2B CROSS
4	CE/14/TC/SL/04/01/12/S	SIDDESHWARA L/O 4TH CROSS
5	CE/14/TC/SL/09/01/11/S	SOUNDARYA L/O 1ST MAIN 9TH CROSS
6	CE/14/TC/BN/00/06/04/LED	BHUVANESHWARI NAGARA 7TH MAIN 4TH CROSS

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7	CE/14/TC/BN/00/04/S	BHUVANESHWARIN AGARA 6TH CROSS						
8	CE/14/TC54/VM/00/01/MV	MAHESHWARAMMA CHOWKA						
9	CE/14/TC54/BN/00/02/11/S	BHUVANESHWARIN AGARA 22ND CROSS						
10	CE/14/TC/63/HB/001/00/07/S	HAVNURU BDAVANE						
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps		Each	0	22	7200	7100.00	156200
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP		Each	0	23	723	720.00	16560
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.		Each	0	24	4030	4000.00	96000

SL NO	POLE NO	ADDRESS
1	CE/14/TC75/BN/00/07/13/S	BHUVANESHWARIN AGAR 5TH CROSS
2	CE/14/TC75/BN/06/07/16/S	BHUVANESHWARIN AGAR 10TH CROSS
3	CE/14/TC/SL/01/07/03/S	MEENAKSHI L/O 2B CROSS
4	CE/14/TC/SL/04/01/12/S	SIDDESHWARA L/O 4TH CROSS
5	CE/14/TC/SL/09/01/11/S	SOUNDARYA L/O 1ST MAIN 9TH CROSS
6	CE/14/TC/BN/00/06/04/LED	BHUVANESHWARIN AGARA 7TH MAIN 4TH CROSS
7	CE/14/TC/BN/00/04/S	BHUVANESHWARIN AGARA 6TH CROSS
8	CE/14/TC54/VM/00/01/MV	MAHESHWARAMMA CHOWKA
9	CE/14/TC54/BN/00/02/11/S	BHUVANESHWARIN AGARA 22ND CROSS
10	CE/14/TC/63/HB/001/00/07/S	HAVNURU BDAVANE
11	CE/14/TC/BG/00/07/01/LED	BAGALGUNTE 28TH CROSS
12	CE/14/TC/KL/00/03/02/S	KIRLOSKAR LAYOUT 23RD CROSS 3RD MAIN
13	CE/14/TC70/DC/01/00/21/S	DEFENCE COLONY 12TH B CROSS
14	CE/14/TC132/RL/04/00/06/S	RAMAYYA LAYOUT 4TH MAIN
15	CE/14/TC/MEJ/00/06/14/S	MEI L/O 7TH MAIN
16	CE/14/TC/SL/00/01/S	SIDDESHWARA L/O 3RD CROSS

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CE/14/TC18/HB/00/16/07/S	HAVANURU BWAVNE 16TH CROSS						
CE/14/TC/KL/00/21/01/LED	KIRLOSKARA L/O 2ND CROSS						
CE/14/TC169/MN/01/00	MANJUNATHNAGAR A 6TH CROSS						
CE/14/TC/50/MS/00/01/06/S	SAPTHGIRI MEDICAL NEAR						
CE/14/TC/NMH/01/00/14/S	MEENAKSHI LAYOUT 4TH MAIN						
CE/14/TC/NMH/00/01/04/S	SAHYADRI BALAGA 5TH CROSS						
CE/14/TC/SM/00/11/07/S	SIDEDHALLI 11TH B CROSS						
CE/14/TC/MB/00/05/01/S	NISARGA L/O 5TH CROSS						
CE/14/TC74/VL/03/00/03/S	VIJAYALAKSHMI L/O 4TH CROSS						
Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments.6 sqmm		Mtr	0	7	70	65.00	455
Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm		Each	0	75	7	7.00	525
TOTAL							292360.09
Add GST 18%				-12%	35083		257276.88
TOTAL Rs				18%	46310		303586.72
				18%	57769	320940.00	378709.20
							682295.92
Fine imposed for non burning of street lights For the period of 01.06.2023 TO 30.06.2023							2800.00
As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material							6071.73
GRAND TOTAL							673424.18

ERTIFICATE

1.This is to certify that the work done is saticefactorily.
2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Assistant Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

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Bruhath Bangalore Mahanagara Pal

Executive Engineer (Elc)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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